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## SEARCH REQUEST FORM

Requester's Full Name: Kristin Bianchi Examiner #: [REDACTED] Date: 6/13/08  
 Art Unit: 4131 Phone Number: 805232 Serial Number: 10/567383  
 Location (Bldg/Room): SEA7 (Mailbox #): N/A Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: 4-Biphenyl-Substituted Pyrazolidin-3-S-Diames Pesticide  
Agent and/or microbicide and/or  
herbicide  
 Inventors (please provide full names): Reiner Fischer, Ernst Gering, Dieter Frucht, Karl-Heinz Eick,  
Peter Losel, Olga Malsam, Christian  
 Earliest Priority Date: 8/14/03 Arnold, Thomas Anker, Martin Hilly,  
Heinz  
Köhne  
 Search Topic:  
 Please provide a detailed statement of the search topic, not describe as specifically as possible the subject matter to be searched. Include the  
 elected species or structure, keywords, synonyms, variations, and registry numbers, and specify with the concept or utility of the invention.  
 Define any terms that may have a special meaning. Give examples or relevant citations, neither, can, if known.

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the  
 appropriate serial number.

please search claim 1.

=> fil cap

FILE 'CAPLUS' ENTERED AT 15:47:18 ON 17 JUN 2008

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FILE COVERS 1907 - 17 Jun 2008 VOL 148 ISS 25  
FILE LAST UPDATED: 16 Jun 2008 (20080616/ED)

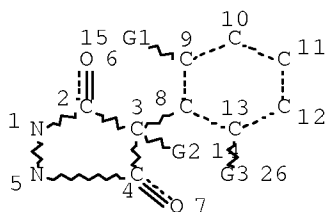
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L5 STR

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@17 18 @19 20 @21 22 @23 24 25



VAR G1=X/16/17/19/21/23/NO2/CN

VAR G2=X/NO2

VAR G3=H/X/16/17/21/23/NO2/CN

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 16

CONNECT IS E1 RC AT 18

CONNECT IS E1 RC AT 20

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L7 102 SEA FILE=REGISTRY SSS FUL L5

L8 2 SEA FILE=CAPLUS ABB=ON PLU=ON L7

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FILE 'WPIX' ENTERED AT 15:47:36 ON 17 JUN 2008

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FILE LAST UPDATED: 15 JUN 2008 <20080615/UP>

MOST RECENT THOMSON SCIENTIFIC UPDATE: 200837 <200837/DW>  
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>>> IPC Reform backfile reclassifications have been loaded to the end of March 2008. No update date (UP) has been created for the reclassified documents, but they can be identified by 20060101/UPIC and 20061231/UPIC, 20070601/UPIC, 20071001/UPIC, 20071130/UPIC and 20080401/UPIC.  
 ECLA reclassifications to April and US national classifications to the end of January 2008 have also been loaded. Update dates 20080401/UPEC and /UPNC have been assigned to these. <<<

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<http://scientific.thomsonreuters.com/support/patents/coverage/latestupdates/>

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[http://www.stn-international.com/archive/presentations/DWPIAnaVist2\\_0710.pdf](http://www.stn-international.com/archive/presentations/DWPIAnaVist2_0710.pdf)

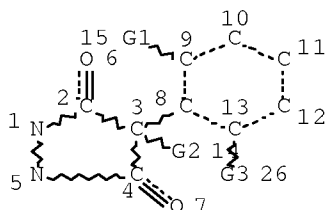
>>> HELP for European Patent Classifications see HELP ECLA, HELP ICO <<<

>>> Please note that the COPYRIGHT notification has changed <<<

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VAR G1=X/16/17/19/21/23/NO2/CN

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NODE ATTRIBUTES:

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DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L10 76 SEA FILE=WPIX SSS FUL L5  
 L11 2 SEA FILE=WPIX ABB=ON PLU=ON L10/DCR

=> fil marpat

FILE 'MARPAT' ENTERED AT 15:47:41 ON 17 JUN 2008  
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FILE CONTENT: 1961-PRESENT VOL 148 ISS 23 (20080613/ED)

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MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES  
 (COVERAGE TO THESE DATES IS NOT COMPLETE):

US 20080119550 22 MAY 2008  
 DE 102006050925 30 APR 2008  
 EP 1916255 30 APR 2008  
 JP 2008098481 24 APR 2008  
 WO 2008054368 08 MAY 2008  
 GB 2442953 23 APR 2008  
 FR 2907784 02 MAY 2008  
 RU 2323225 27 APR 2008  
 CA 2562661 05 APR 2008

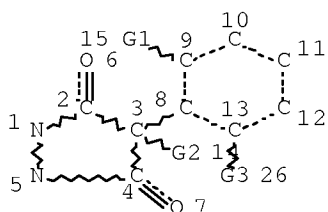
Expanded G-group definition display now available.

Effective December 15th the iteration and answer limits in MARPAT have increased from 100,000 to 200,000 for both on-line and batch searches. For more information on MARPAT search limits, type HELP SLIMITS at an arrow prompt.

=> d que 113

L5 STR

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VAR G1=X/16/17/19/21/23/NO2/CN

VAR G2=X/NO2

VAR G3=H/X/16/17/21/23/NO2/CN

NODE ATTRIBUTES:

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CONNECT IS E1 RC AT 18

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DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE  
L13 4 SEA FILE=MARPAT SSS FUL L5

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FILE 'CAPLUS' ENTERED AT 15:47:49 ON 17 JUN 2008  
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PROCESSING COMPLETED FOR L8  
PROCESSING COMPLETED FOR L11  
PROCESSING COMPLETED FOR L13  
L16 4 DUP REM L8 L11 L13 (4 DUPLICATES REMOVED)  
ANSWERS '1-2' FROM FILE CAPLUS  
ANSWERS '3-4' FROM FILE MARPAT

=> d 116 ibib abs hitstr 1-2;d 116 ibib abs qhit 3-4

L16 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1  
ACCESSION NUMBER: 2005:158674 CAPLUS Full-text  
DOCUMENT NUMBER: 142:261533  
TITLE: Preparation of 4-biphenylpyrazolidin-3,5-diones as  
pesticide agents  
INVENTOR(S): Fischer, Reiner; Gesing, Ernst Rudolf F.; Feucht,  
Dieter; Kuck, Karl-Heinz; Loesel, Peter; Malsam, Olga;  
Arnold, Christian; Auler, Thomas; Hills, Martin  
Jeffrey; Kehne, Heinz  
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 114 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005016933	A1	20050224	WO 2004-EP8639	20040802
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,			

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG

DE 10337496	A1	20050414	DE 2003-10337496	20030814
AU 2004265090	A1	20050224	AU 2004-265090	20040802
CA 2535868	A1	20050224	CA 2004-2535868	20040802
EP 1656383	A1	20060517	EP 2004-763709	20040802

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
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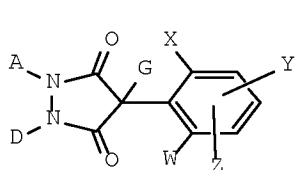
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BR 2004013583	A	20061017	BR 2004-13583	20040802
JP 2007502256	T	20070208	JP 2006-522946	20040802
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US 20070093391	A1	20070426	US 2006-567383	20060906

PRIORITY APPLN. INFO.:

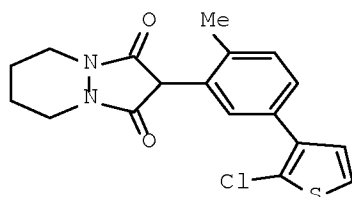
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OTHER SOURCE(S): MARPAT 142:261533

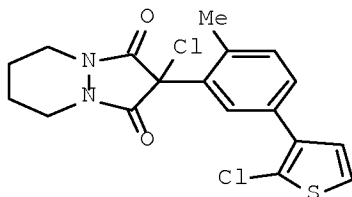
GI



I



II



III

AB Title compds. I [X = halo, alkyl alkenyl, etc.; Y = (un)substituted aryl, heteroaryl; A = H, (un)substitute alkyl, alkenyl, etc.; D = H, (un)substituted alkyl, alkenyl; G = halo, NO<sub>2</sub>; W = H, halo, alkyl; Z = H, halo, alkyl, etc.] were prepared For example, tert-Bu hypochlorite mediated chlorination of dione II, afforded pyrazolidine-3,5-dione III in 57% yield. Compds. I are claimed to be useful as pesticide agents.

IT 845896-09-5P 845896-10-8P 845896-11-9P  
845896-12-0P 845896-13-1P 845896-14-2P  
845896-15-3P 845896-16-4P 845896-18-6P  
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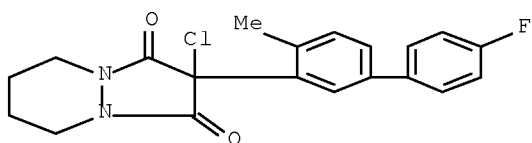
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 845896-73-3P 845896-74-4P 845896-75-5P  
 845896-76-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of biphenylpyrazolidin-3,5-diones as pesticide agents)

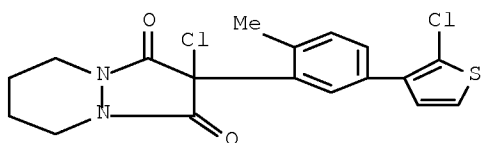
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CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-fluoro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



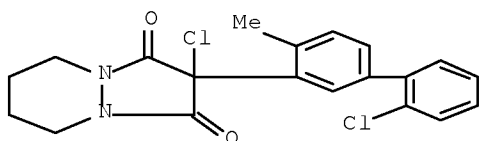
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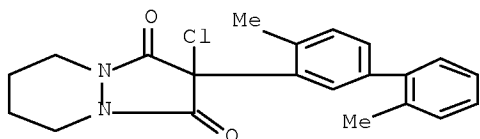
RN 845896-11-9 CAPLUS

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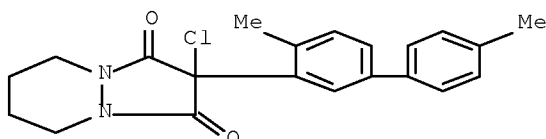
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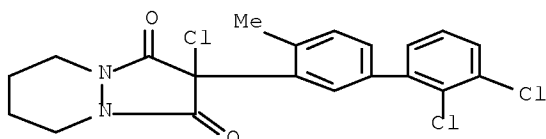
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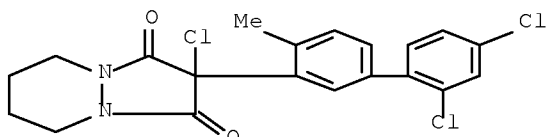
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CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(2',3'-dichloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



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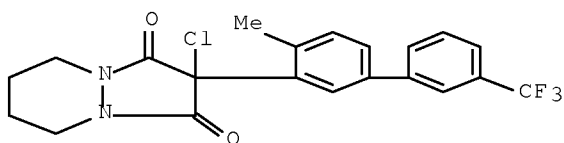
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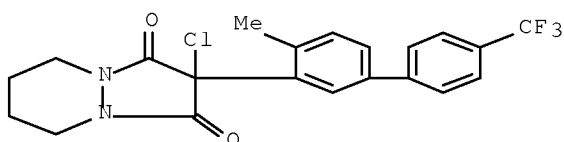
CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-[4-methyl-3'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)





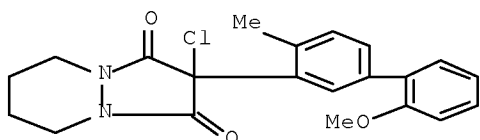
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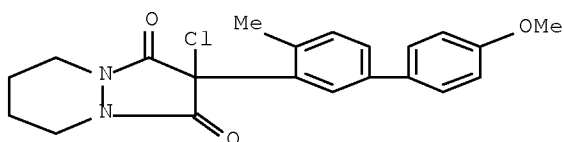
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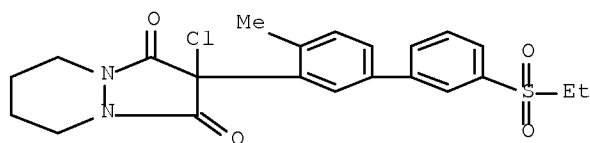
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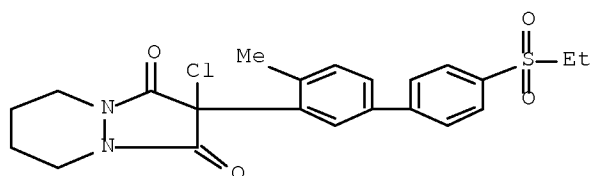
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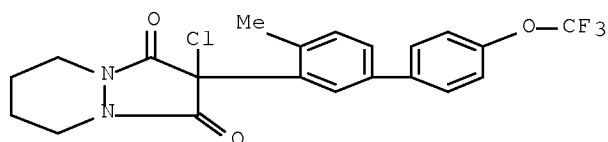
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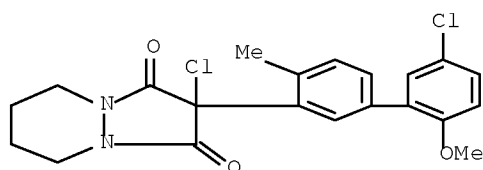
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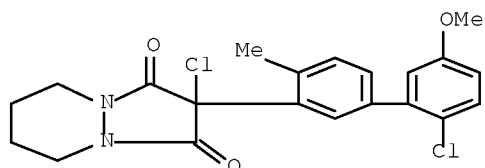
RN 845896-24-4 CAPLUS

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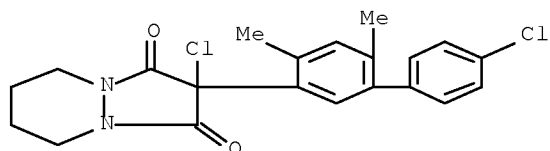
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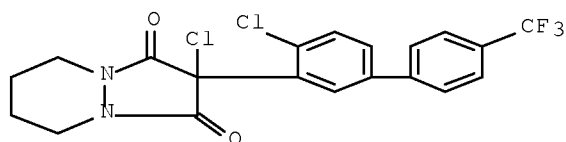
RN 845896-26-6 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-chloro-4,6-dimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



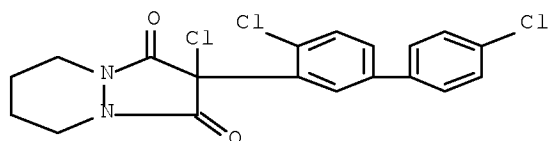
RN 845896-27-7 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-[4-chloro-4'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]tetrahydro- (CA INDEX NAME)



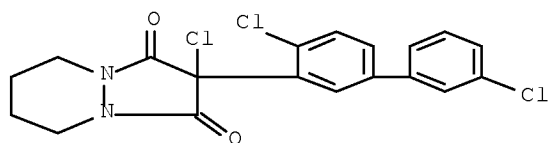
RN 845896-28-8 CAPLUS

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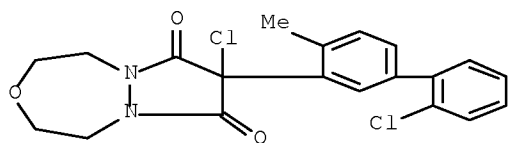
RN 845896-29-9 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(3',4-dichloro[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



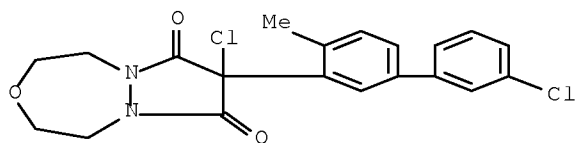
RN 845896-30-2 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2'-chloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



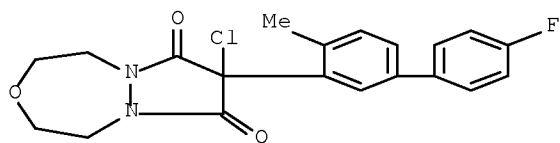
RN 845896-31-3 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3'-chloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



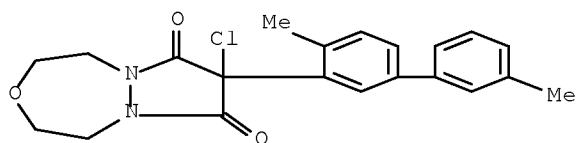
RN 845896-32-4 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-fluoro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



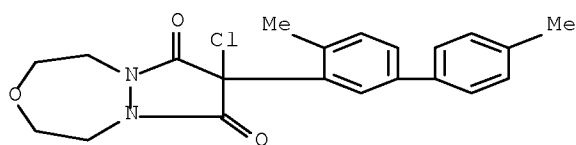
RN 845896-33-5 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3',4-dimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



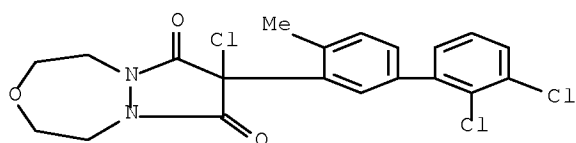
RN 845896-34-6 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4,4'-dimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



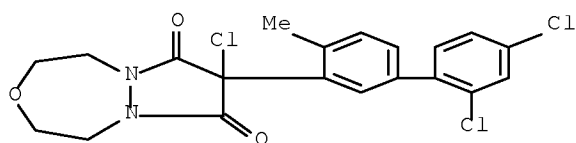
RN 845896-35-7 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2',3'-dichloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



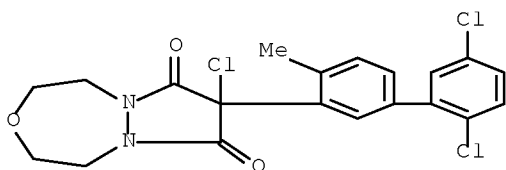
RN 845896-36-8 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2',4'-dichloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



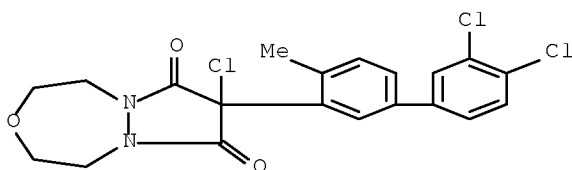
RN 845896-37-9 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2',5'-dichloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



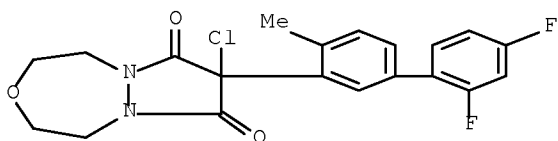
RN 845896-38-0 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3',4'-dichloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



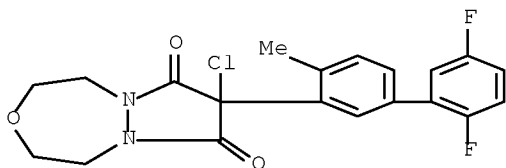
RN 845896-39-1 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2',4'-difluoro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



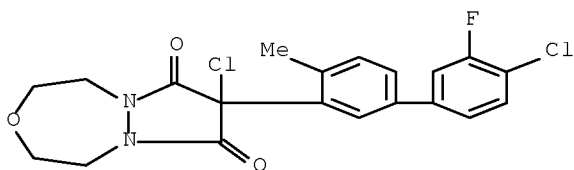
RN 845896-40-4 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2',5'-difluoro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



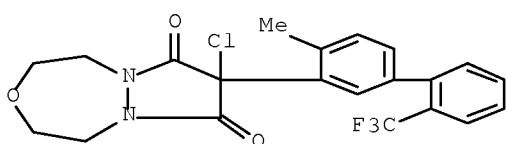
RN 845896-41-5 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-3'-fluoro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



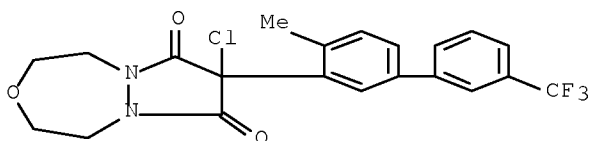
RN 845896-42-6 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-[4-methyl-2'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)



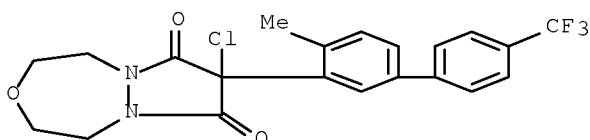
RN 845896-43-7 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-[4-methyl-3'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)



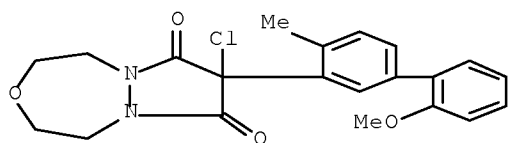
RN 845896-44-8 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-[4-methyl-4'-(trifluoromethyl)[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)



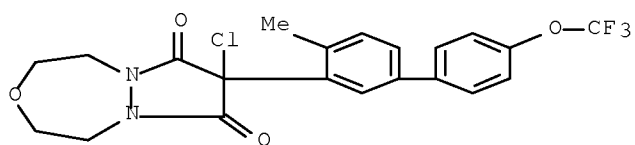
RN 845896-45-9 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-(2'-methoxy-4-methyl[1,1'-biphenyl]-3-yl)- (CA INDEX NAME)



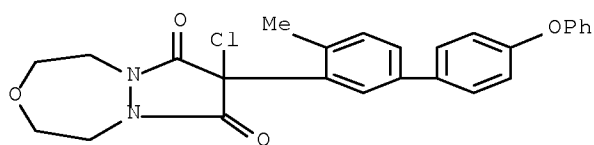
RN 845896-46-0 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-[4-methyl-4'-(trifluoromethoxy)[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)



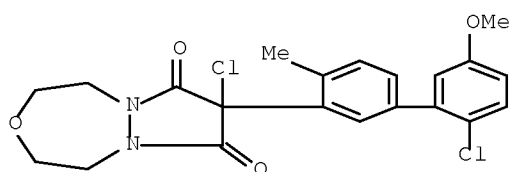
RN 845896-47-1 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-(4-methyl-4'-phenoxy[1,1'-biphenyl]-3-yl)- (CA INDEX NAME)



RN 845896-48-2 CAPLUS

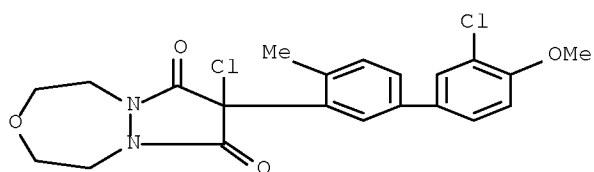
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(2'-chloro-5'-methoxy-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



RN 845896-49-3 CAPLUS

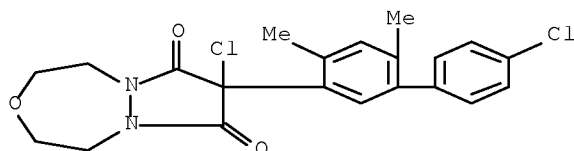
CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3'-chloro-4'-methoxy-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)





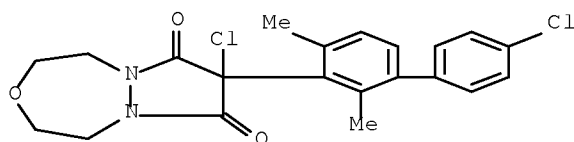
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-4,6-dimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



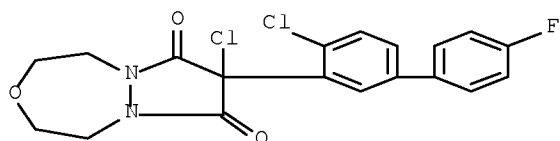
RN 845896-51-7 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-2,4-dimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



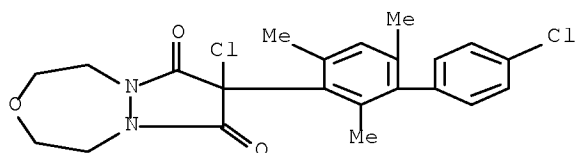
RN 845896-52-8 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-4'-fluoro[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



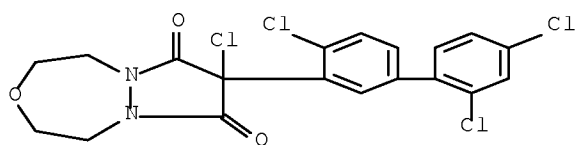
RN 845896-53-9 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-2,4,6-trimethyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



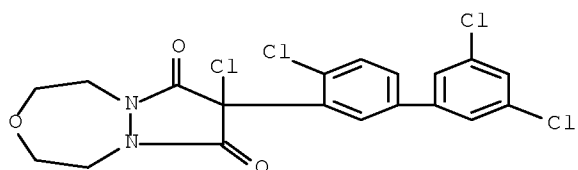
RN 845896-54-0 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-(2',4,4'-trichloro[1,1'-biphenyl]-3-yl)- (CA INDEX NAME)



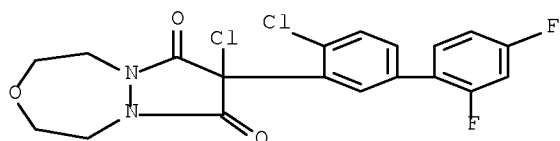
RN 845896-55-1 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-(3',4,5'-trichloro[1,1'-biphenyl]-3-yl)- (CA INDEX NAME)



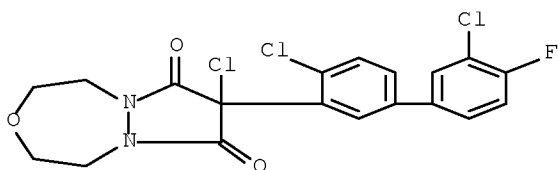
RN 845896-56-2 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4-chloro-2',4'-difluoro[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



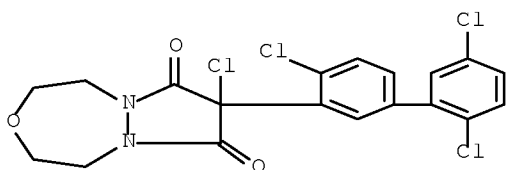
RN 845896-57-3 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3',4-dichloro-4'-fluoro[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



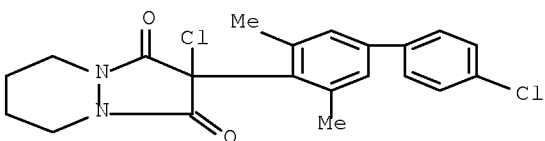
RN 845896-58-4 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chlorotetrahydro-8-(2',4,5'-trichloro[1,1'-biphenyl]-3-yl)- (CA INDEX NAME)



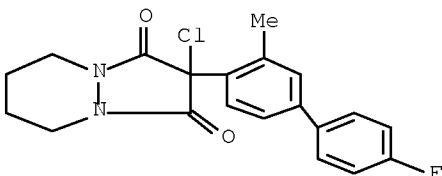
RN 845896-59-5 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



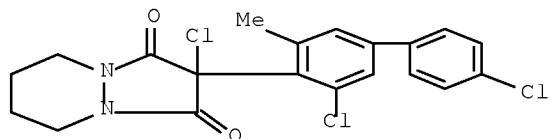
RN 845896-60-8 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-fluoro-3-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



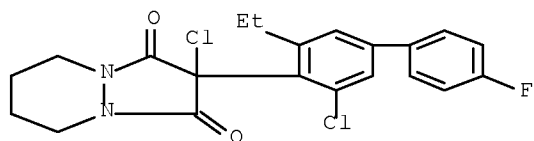
RN 845896-61-9 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(3,4'-dichloro-5-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



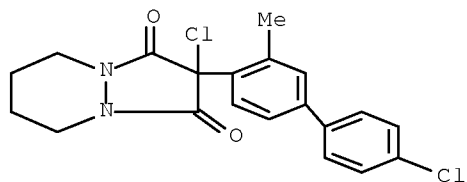
RN 845896-62-0 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(3-chloro-5-ethyl-4'-fluoro[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



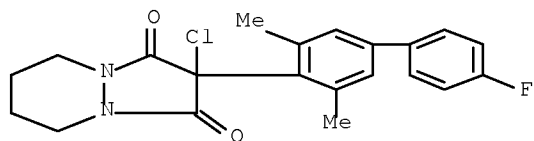
RN 845896-63-1 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-chloro-3-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



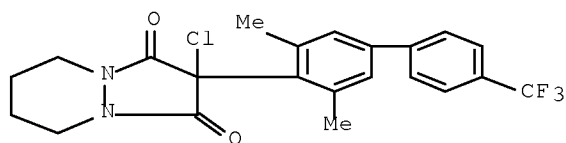
RN 845896-64-2 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-fluoro-3,5-dimethyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



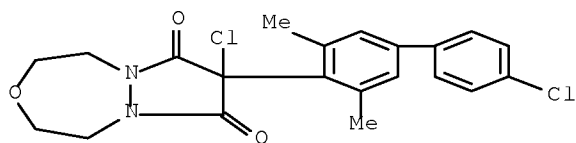
RN 845896-65-3 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-[3,5-dimethyl-4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]tetrahydro- (CA INDEX NAME)



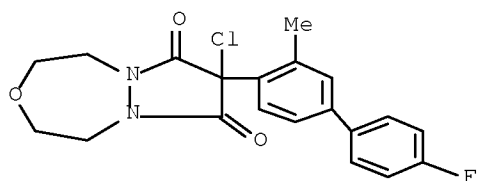
RN 845896-66-4 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-3,5-dimethyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



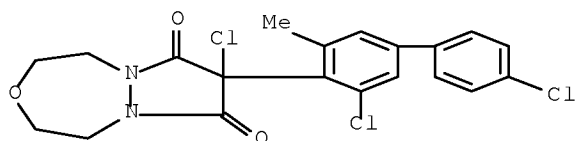
RN 845896-67-5 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-fluoro-3-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



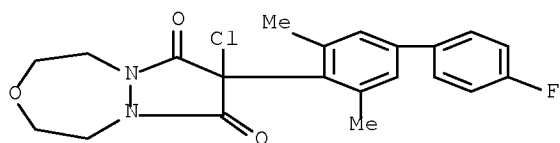
RN 845896-68-6 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3,4'-dichloro-5-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



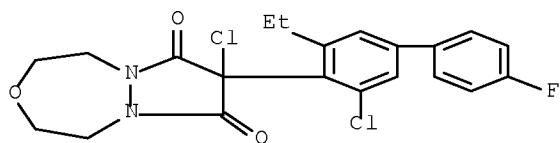
RN 845896-69-7 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-fluoro-3,5-dimethyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



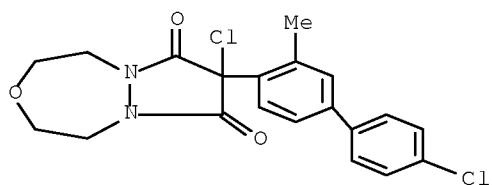
RN 845896-70-0 CAPLUS

CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(3-chloro-5-ethyl-4'-fluoro[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



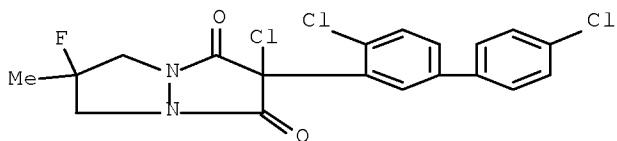
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CN 7H-Pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9(8H)-dione, 8-chloro-8-(4'-chloro-3-methyl[1,1'-biphenyl]-4-yl)tetrahydro- (CA INDEX NAME)



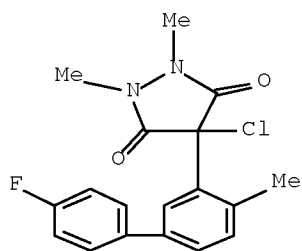
RN 845896-72-2 CAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazole-1,3(2H)-dione, 2-chloro-2-(4,4'-dichloro[1,1'-biphenyl]-3-yl)-6-fluorodihydro-6-methyl- (9CI) (CA INDEX NAME)



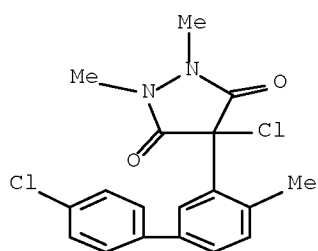
RN 845896-73-3 CAPLUS

CN 3,5-Pyrazolidinedione, 4-chloro-4-(4'-fluoro-4-methyl[1,1'-biphenyl]-3-yl)-1,2-dimethyl- (CA INDEX NAME)



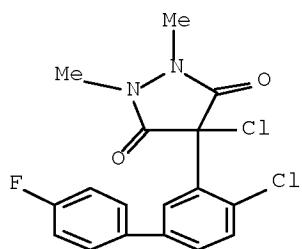
RN 845896-74-4 CAPLUS

CN 3,5-Pyrazolidinedione, 4-chloro-4-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)-1,2-dimethyl- (CA INDEX NAME)



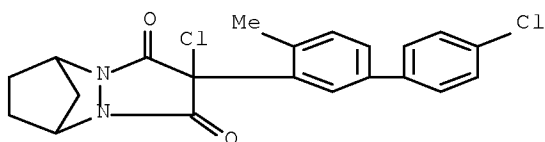
RN 845896-75-5 CAPLUS

CN 3,5-Pyrazolidinedione, 4-chloro-4-(4-chloro-4'-fluoro[1,1'-biphenyl]-3-yl)-1,2-dimethyl- (CA INDEX NAME)



RN 845896-76-6 CAPLUS

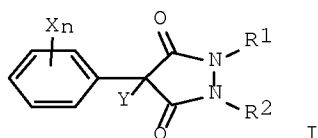
CN 5,8-Methano-1H-pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(4'-chloro-4-methyl[1,1'-biphenyl]-3-yl)tetrahydro- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 2  
 ACCESSION NUMBER: 1999:282204 CAPLUS Full-text  
 DOCUMENT NUMBER: 130:282069  
 TITLE: Preparation of 4-aryl-4-substituted  
 pyrazolidine-3,5-dione derivatives  
 INVENTOR(S): Takahashi, Nobuyoshi; Nakagawa, Hirofumi; Endo,  
 Yoshinori  
 PATENT ASSIGNEE(S): Otsuka Kagaku Kabushiki Kaisha, Japan  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9920610	A1	19990429	WO 1998-JP4525	19981007
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9894578	A	19990510	AU 1998-94578	19981007
EP 1026159	A1	20000809	EP 1998-947767	19981007
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US 6180568	B1	20010130	US 2000-509821	20000419
PRIORITY APPLN. INFO.:			JP 1997-307933	A 19971021
			WO 1998-JP4525	W 19981007
OTHER SOURCE(S):		MARPAT 130:282069		
GI				



AB Title compds. I (R1, R2 = C1-4 alkyl; R1R2 = saturated or unsatd. divalent C3-4 hydrocarbon group which may be substituted by C1-4 alkyl or halo; X = C1-4 alkyl, C1-4 haloalkyl, halo; Y = halo, NO2; n = 0, 1, 2, 3), useful as acaricides, insecticides, or herbicides, were prepared Thus, reaction of 1,2-dimethyl-4-(2,4,6-trimethylphenyl)pyrazolidine-3,5-dione with N-chlorosuccinimide in CCl4 in the presence of benzoyl peroxide gave 78% 4-chloro-1,2-dimethyl-4-(2,4,6-trimethylphenyl)pyrazolidine-3,5-dione (II). II showed acaricidal, insecticidal, and herbicidal activities.

IT 222850-82-0P 222850-83-1P 222850-84-2P  
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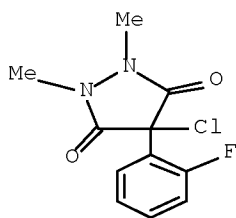


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 222851-22-1P 222851-24-3P 222851-25-4P  
 222851-26-5P 222851-27-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrazolidinediones as acaricides, insecticides, and herbicides)

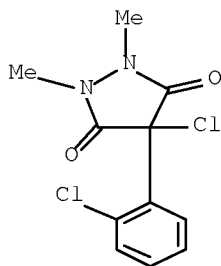
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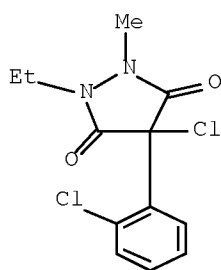
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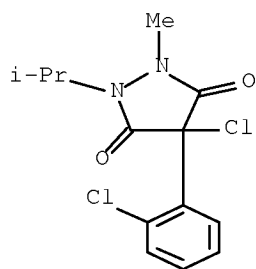
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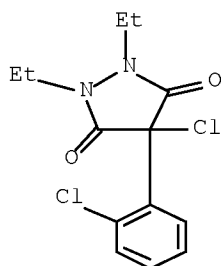
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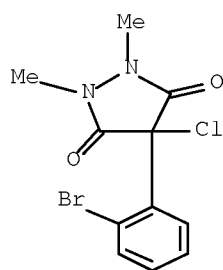
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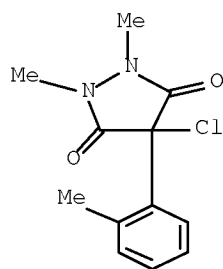
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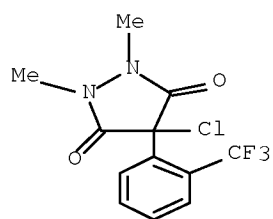
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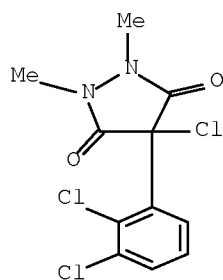
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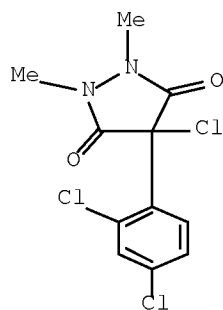
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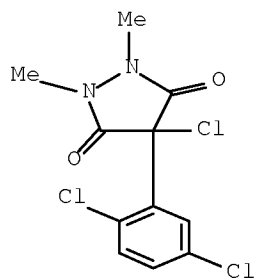
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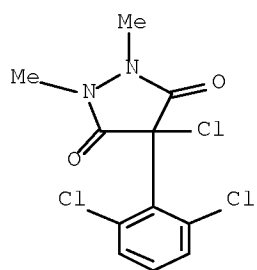
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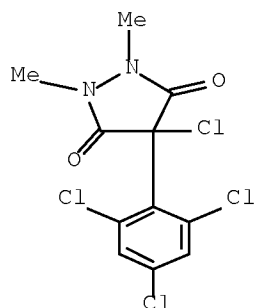
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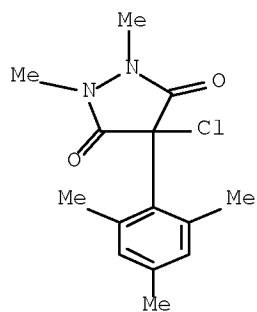
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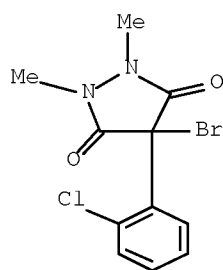
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CN 3,5-Pyrazolidinedione, 4-chloro-1,2-dimethyl-4-(2,4,6-trimethylphenyl)-  
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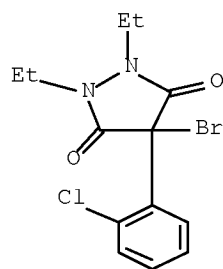
RN 222851-01-6 CAPLUS

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NAME)



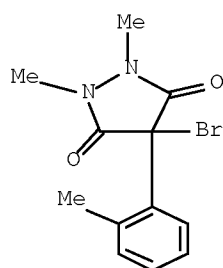
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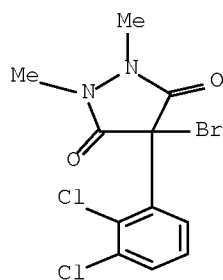
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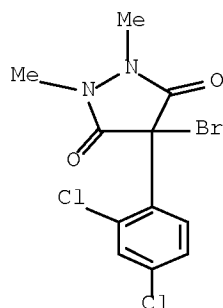
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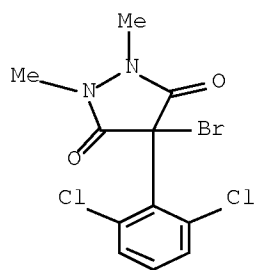
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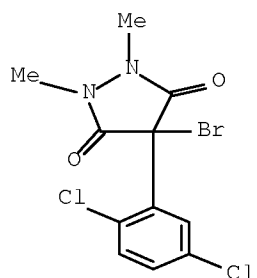
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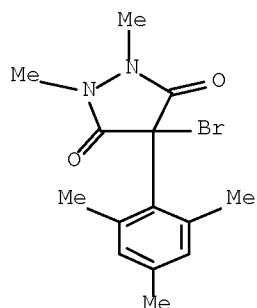
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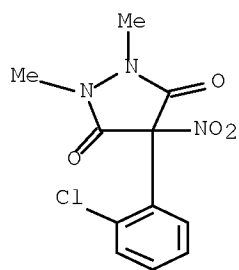
RN 222851-11-8 CAPLUS

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(CA INDEX NAME)



RN 222851-12-9 CAPLUS

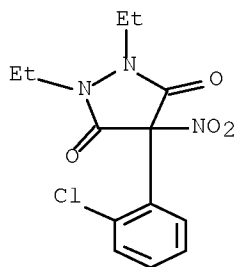
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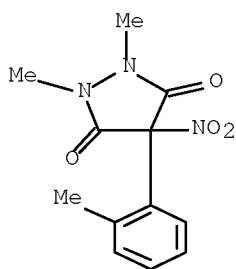
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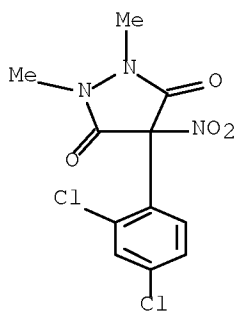
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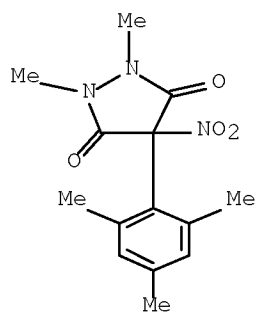
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CN 3,5-Pyrazolidinedione, 4-(2,4-dichlorophenyl)-1,2-dimethyl-4-nitro- (CA INDEX NAME)



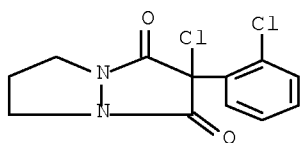
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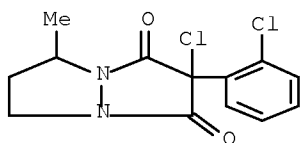
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CN 1H,5H-Pyrazolo[1,2-a]pyrazole-1,3(2H)-dione, 2-chloro-2-(2-chlorophenyl)dihydro- (9CI) (CA INDEX NAME)



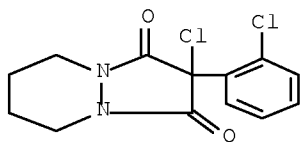
RN 222851-20-9 CAPLUS

CN 1H,5H-Pyrazolo[1,2-a]pyrazole-1,3(2H)-dione, 2-chloro-2-(2-chlorophenyl)dihydro-5-methyl- (9CI) (CA INDEX NAME)



RN 222851-21-0 CAPLUS

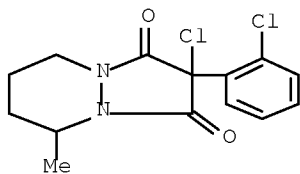
CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(2-chlorophenyl)tetrahydro- (CA INDEX NAME)



RN 222851-22-1 CAPLUS

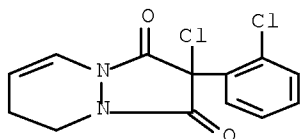
CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-chloro-2-(2-

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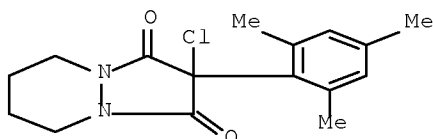
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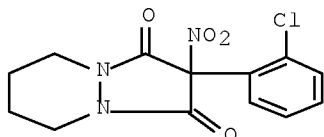
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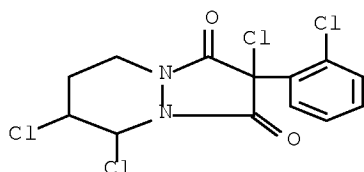
RN 222851-26-5 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2-(2-chlorophenyl)tetrahydro-2-nitro- (CA INDEX NAME)



RN 222851-27-6 CAPLUS

CN 1H-Pyrazolo[1,2-a]pyridazine-1,3(2H)-dione, 2,5,6-trichloro-2-(2-chlorophenyl)tetrahydro- (CA INDEX NAME)

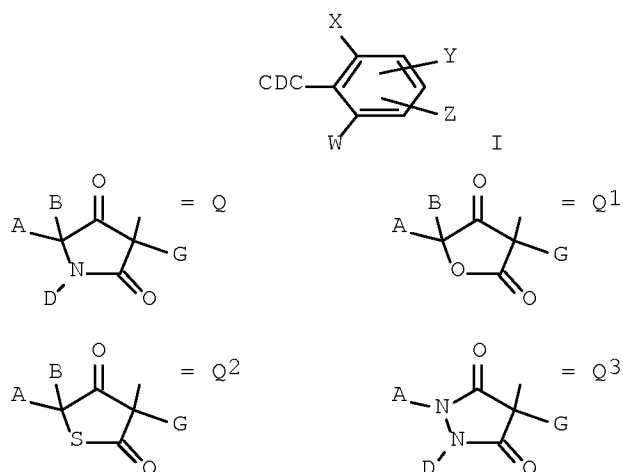


REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 4 MARPAT COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 144:144757 MARPAT Full-text  
 TITLE: Selective insecticidal and/or acaricidal compositions based on cyclic dicarbonyl compounds and safeners  
 INVENTOR(S): Fischer, Reiner; Reckmann, Udo; Rosinger, Chris; Sanwald, Erich; Arnold, Christian  
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
 SOURCE: PCT Int. Appl., 89 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

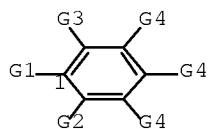
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AU 2005263566	A1	20060126	AU 2005-263566	20050718
CA 2574199	A1	20060126	CA 2005-2574199	20050718
EP 1773126	A1	20070418	EP 2005-762457	20050718
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101001529	A	20070718	CN 2005-80024790	20050718
JP 2008506739	T	20080306	JP 2007-521873	20050718
BR 2005013502	A	20080506	BR 2005-13502	20050718
PRIORITY APPLN. INFO.:			DE 2004-10200403513120040720	
			WO 2005-EP7790	20050718

GI



AB The title insecticidal and/or acaricidal compns. comprise a cyclic dicarbonyl compound I [W, Z = H, halo, alkyl, alkenyl, alkynyl, NO<sub>2</sub>, CN, etc; X = halo, alkyl, alkenyl, alkynyl, alkoxy, alkylthio, NO<sub>2</sub>, CN, etc.; Y = H, halo, (halo)alkyl, etc.; CDC = Q, Q<sup>1</sup>, Q<sup>2</sup>, Q<sup>3</sup>; A = H, (halo)alkyl, alkenyl, cycloalkyl, (un)substituted heterocyclyl, etc.; B = H, alkyl or alkoxyalkyl; ACB = cycle; D = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; ACD = cycle; G = halo or NO<sub>2</sub>] and safeners (MON-4660, dicyclonon, benoxacor, etc.).

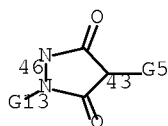
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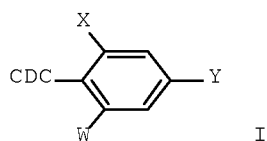
Patent location: claim 1

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 4 MARPAT COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 141:135691 MARPAT Full-text  
 TITLE: Selective herbicidal compositions comprising cyclic dicarbonyl compounds and safeners  
 INVENTOR(S): Feucht, Dieter; Fischer, Reiner; Lehr, Stefan; Bojack, Guido; Auler, Thomas; Hills, Martin; Rosinger, Chris; Willms, Lothar; Ziemer, Frank  
 PATENT ASSIGNEE(S): Bayer Cropscience Ag, Germany  
 SOURCE: Ger. Offen., 38 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
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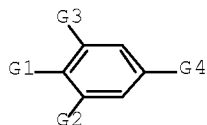
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DE 10301806	A1	20040729	DE 2003-10301806	20030120
AU 2004206721	A1	20040805	AU 2004-206721	20040107
CA 2513510	A1	20040805	CA 2004-2513510	20040107
WO 2004064520	A1	20040805	WO 2004-EP38	20040107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
EP 1587367	A1	20051026	EP 2004-700451	20040107
EP 1587367	B1	20070523		
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BR 2004006825	A	20051227	BR 2004-6825	20040107
CN 1761396	A	20060419	CN 2004-80007513	20040107
JP 2006515366	T	20060525	JP 2006-500521	20040107
AT 362703	T	20070615	AT 2004-700451	20040107
ES 2286591	T3	20071201	ES 2004-700451	20040107
MX 2005PA07656	A	20050930	MX 2005-PA7656	20050718
US 20060160703	A1	20060720	US 2006-542513	20060221
PRIORITY APPLN. INFO.:			DE 2003-10301806	20030120
			WO 2004-EP38	20040107

GI

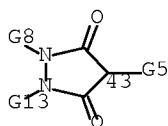


AB The invention concerns selective herbicidal compns. comprising a substituted, cyclic dicarbonyl compound and a safener, in particular cloquintocet-mexyl and mefenpyr di-Et. The substituted, cyclic dicarbonyl compound is I [W = H, halo, (halo)alkyl, alkenyl, alkynyl, NO<sub>2</sub>, CN, etc.; X = halo, (halo)alkyl, alkyl, alkenyl, alkynyl, etc.; Y = H, (halo)alkyl, haloalkoxy, NO<sub>2</sub>, CN, (un)substituted Ph or heteroaryl; CDC = Q, Q<sub>1</sub>, etc.; A = H, (halo)alkyl, (halo)alkenyl, etc.; B = H, alkyl or alkoxyalkyl; D = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; ACB = carbocyclyl or heterocyclyl; ACBD = heterocyclyl; G = halo or NO<sub>2</sub>].

MSTR 1



G1 = 43



G2 = F

G3 = F

G5 = F

Patent location: claim 1

=> d his nofil

(FILE 'HOME' ENTERED AT 15:43:17 ON 17 JUN 2008)

FILE 'REGISTRY' ENTERED AT 15:43:25 ON 17 JUN 2008

L1 STR  
L2 8 SEA SSS SAM L1  
L3 STR L1  
L4 7 SEA SSS SAM L3

L5 STR L3  
L6 7 SEA SSS SAM L5  
L7 102 SEA SSS FUL L5

FILE 'CAPLUS' ENTERED AT 15:46:09 ON 17 JUN 2008  
L8 2 SEA ABB=ON PLU=ON L7

FILE 'WPIX' ENTERED AT 15:46:18 ON 17 JUN 2008  
L9 8 SEA SSS SAM L5  
L10 76 SEA SSS FUL L5  
L11 2 SEA ABB=ON PLU=ON L10/DCR

FILE 'MARPAT' ENTERED AT 15:46:41 ON 17 JUN 2008  
L12 0 SEA SSS SAM L5  
L13 4 SEA SSS FUL L5

FILE 'BEILSTEIN' ENTERED AT 15:47:02 ON 17 JUN 2008  
L14 0 SEA SSS SAM L5  
L15 0 SEA SSS FUL L5

FILE 'CAPLUS' ENTERED AT 15:47:18 ON 17 JUN 2008  
D QUE L8

FILE 'WPIX' ENTERED AT 15:47:36 ON 17 JUN 2008  
D QUE L11

FILE 'MARPAT' ENTERED AT 15:47:41 ON 17 JUN 2008  
D QUE L13

FILE 'CAPLUS, WPIX, MARPAT' ENTERED AT 15:47:49 ON 17 JUN 2008  
L16 4 DUP REM L8 L11 L13 (4 DUPLICATES REMOVED)  
ANSWERS '1-2' FROM FILE CAPLUS  
ANSWERS '3-4' FROM FILE MARPAT  
D L16 IBIB ABS HITSTR 1-2  
D L16 IBIB ABS QHIT 3-4